GETTLER-RYAN INC.

September 9, 2009
Job #386795

Ms. Olivia Skance
Chevron Environmental Management Company
6111 Bollinger Canyon Road, Room 3636
San Ramon, CA 94583

RE: Event of August 18, 2009
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-2175
13948 NE 20th Street
Bellevue, Washington

Dear Ms. Skance:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations are presented in Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. Purge water was treated by filtration through granular activated carbon and was subsequently discharged. The chain of custody document and laboratory analytical reports are attached.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

Deanna L. Harding
Project Coordinator

State of Washington
2660
Licensed Geologist
Douglas J. Lee

Douglas J. Lee
Senior Geologist, L.G. No. 2660

Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

GETTLER-RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	**Chevron #9-2175** Date: 8-18-09
Address:	**13948 Ne 20Th Street**
City/St.:	**Bellevue,WA**
Status of Site:	ACTIVE CHEVRON

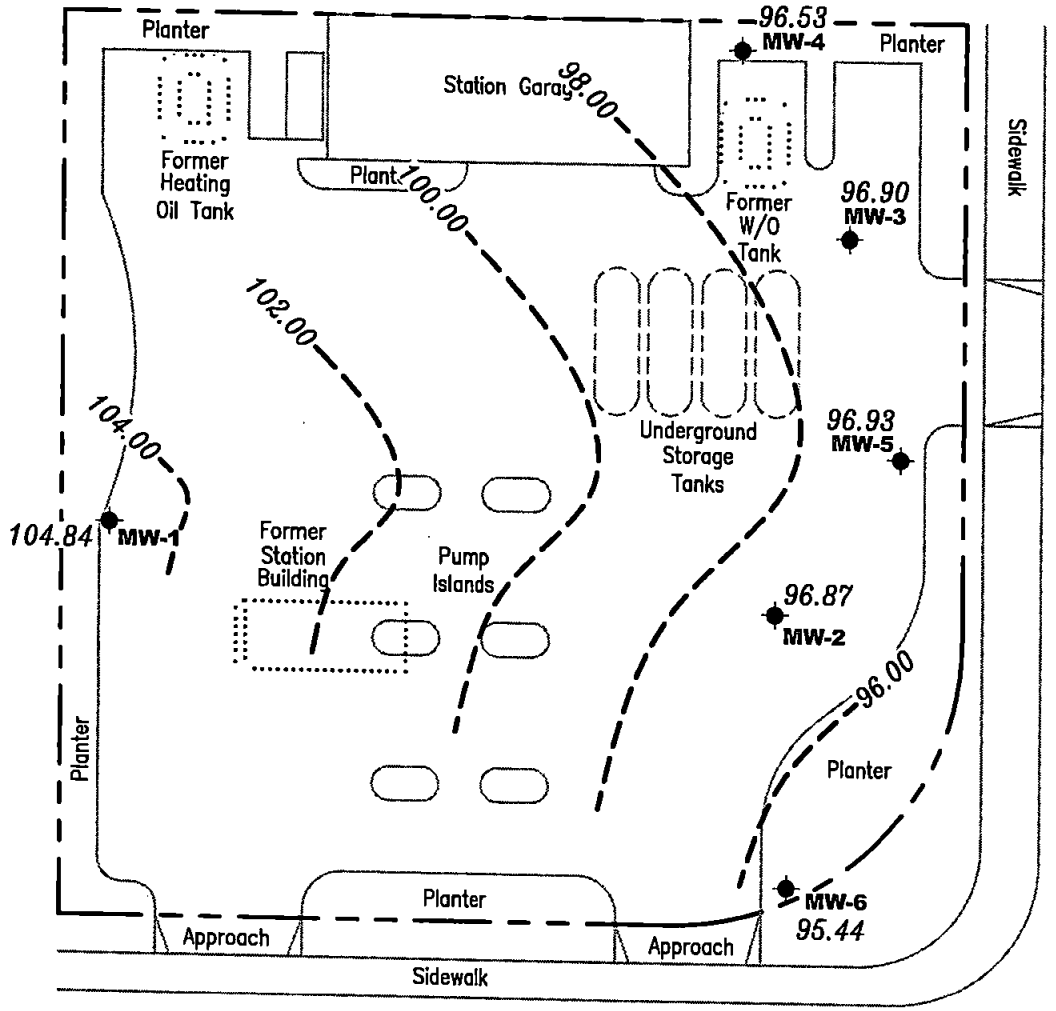
DRUMS: Please list below ALL DRUMS @ site: i.e., drum description, condition, labeling, contents, location of drum:

#	Description	Condition	Labeling	Contents	Location
	NO				
	DRUMS				

WELLS: Please check the condition of ALL WELLS @ site: i.e., well box condition, well plug, well lock, etc.:

Well ID	Well Box	Bolts	Well Plug	Well Lock	Other
MW-1	1 BROKEN FLANGE	OK	OK	OK	
MW-2	OK	↓	↓	↓	
MW-3	↓				
MW-4					
MW-5					
MW-6					

Additional Comments/Observations:



EXPLANATION

- Groundwater monitoring well
- 99.99 — Groundwater elevation in feet referenced to an arbitrary site datum
- 99.99 — Groundwater elevation contour, dashed where inferred

Approximate groundwater flow direction at a gradient of 0.05 to 0.07 Ft./Ft.

N

0 40

Scale in Feet

Source: Figure modified from drawing provided by SAIC Figure 1 Site Map dated 06/16/04

GETTLER - RYAN INC.
6747 Sierra Court, Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Chevron Service Station #9-2175
13948 NE 20th Street
Bellevue, Washington

FIGURE
1

PROJECT NUMBER
386795

REVIEWED BY

DATE
August 18, 2009

REVISED DATE

FILE NAME: P:\Enviro\Chevron\9-2175\Q09-9-2175.dwg | Layout Tab: Pot3

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-2175

13948 NE 20th Street

Bellevue, Washington

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-1											
07/15/03[1]	108.78	--	--	150	<99	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/09/05	108.78	4.27	104.51	<250[2]	<250[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
06/16/05	108.78	4.24	104.54	<250[2]	<250[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/05/05	108.78	4.40	104.38	<250[2]	<250[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
10/06/05	108.78	4.28	104.50	<250[2]	<250[2]	<50[5]	<0.5	<0.5	<0.5	<1.5	<2.5
02/10/06	108.78	2.93	105.85	830[2,7,8]	390[2]	<48	<0.5	<0.5	<0.5	<1.5	<2.5
08/25/06	108.78	4.43	104.35	<79[2]	<99[2]	<48	<0.5	<0.5	<0.5	<1.5	<2.5
01/29/07	108.78	4.46	104.32	<81[2]	<100[2]	<48	<0.5	<0.5	<0.5	<1.5	<2.5
08/03/07	108.78	4.25	104.53	150[2]	<97[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/01/08	108.78	4.48	104.30	<80[2]	<100[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/26/08	108.78	3.82	104.96	<80[2]	<100[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/07/09	108.78	3.86	104.92	29[2]	<68[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/18/09	**108.78**	**3.94**	**104.84**	**<30[2]**	**<69[2]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**<2.5**
MW-2											
07/15/03[1]	99.61	--	--	<80	<100	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/09/05	99.61	3.39	96.22	<250[2]	<250[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
06/16/05	99.61	3.41	96.20	<250[2]	<250[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/05/05	99.61	3.68	95.93	<250[2]	<250[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
10/06/05	99.61	3.56	96.05	<250[2]	<250[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/10/06	99.61	2.61	97.00	<80[2]	<100[2]	<48	<0.5	<0.5	<0.5	<1.5	<2.5
08/25/06	99.61	3.08	96.53	<78[2]	<98[2]	<48	<0.5	<0.5	<0.5	<1.5	<2.5
01/29/07	99.61	2.67	96.94	<79[2]	<99[2]	<48	<0.5	<0.5	<0.5	<1.5	<2.5
08/03/07	99.61	2.80	96.81	380[2]	<97[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/01/08	99.61	2.60	97.01	<80[2]	<100[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/26/08	99.61	2.55	97.06	120[2]	<100[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/07/09	99.61	2.79	96.82	170[2]	<68[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/18/09	**99.61**	**2.74**	**96.87**	**<29[2]**	**<69[2]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**<2.5**
MW-3											
07/15/03[1]	100.22	--	--	<76	<95	53	26	2.9	<0.5	4.9	12
02/09/05	100.22	3.14	97.08	<250[2]	<250[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
06/16/05	100.22	2.72	97.50	<250[2]	<250[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/05/05	100.22	3.39	96.83	<250[2]	<250[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
10/06/05	100.22	3.34	96.88	<250[2]	<250[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-2175

13948 NE 20th Street

Bellevue, Washington

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-3 (cont)											
02/10/06	100.22	2.49	97.73	<81[2]	110[2]	<48	<0.5	<0.5	<0.5	<1.5	<2.5
08/25/06	100.22	3.68	96.54	<80[2]	<100[2]	<48	<0.5	<0.5	<0.5	<1.5	<2.5
01/29/07	100.22	3.08	97.14	<83[2]	<100[2]	<48	<0.5	<0.5	<0.5	<1.5	<2.5
08/03/07	100.22	3.33	96.89	150[2]	<98[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/01/08	100.22	3.06	97.16	<79[2]	<99[2]	<250	<2.5	<2.5	<2.5	<7.5	<13
08/26/08	100.22	3.08	97.14	<80[2]	<100[2]	<50	1.0	<0.5	<0.5	<1.5	<2.5
02/07/09	100.22	3.19	97.03	40[2]	<67[2]	<50	1.2	<0.5	<0.5	<1.5	<2.5
08/18/09	**100.22**	**3.32**	**96.90**	**31[2]**	**<69[2]**	**<50**	**2.0**	**<0.5**	**<0.5**	**<1.5**	**<2.5**
MW-4											
07/15/03[1]	101.33	8.97	92.36	<79	170	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/09/05	101.33	4.52	96.81	<250[2]	260[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
06/16/05	101.33	4.68	96.65	<250[2]	640[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/05/05	101.33	4.89	96.44	<250[2]	360[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
10/06/05	101.33	4.80	96.53	<250[2]	330[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/10/06	101.33	4.28	97.05	<80[2]	<100[2]	<48	<0.5	<0.5	<0.5	<1.5	<2.5
08/25/06	101.33	5.02	96.31	<80[2]	<100[2]	<48	<0.5	<0.5	<0.5	<1.5	<2.5
01/29/07	101.33	4.53	96.80	110[2]	310[2]	<48	<0.5	<0.5	<0.5	<1.5	<2.5
08/03/07	101.33	4.87	96.46	140[2]	190[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/01/08	101.33	4.56	96.77	<79[2]	170[2]	<50	3.7	<0.5	<0.5	<1.5	<10
08/26/08	101.33	4.46	96.87	<80[2]	<100[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/07/09	101.33	4.65	96.68	36[2]	<67[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/18/09	**101.33**	**4.80**	**96.53**	**30[2]**	**80[2]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**<2.5**
MW-5											
03/04/04[1]	99.99	8.91	91.08	620	<100	2,400	26	7	35	270	45
02/09/05	99.99	2.98	97.01	2,500[2]	<490[2]	37,000	940	200	2,000	4,800	89/49[3]
06/16/05	99.99	2.98	97.01	4,100[2,4]	<500[2]	31,000	850	140	1,700	3,600	50
08/05/05	99.99	3.17	96.82	3,000[2,4]	<1,000[2]	26,000	880	49	1,400	2,900	52
10/06/05	99.99	3.15	96.84	3,100[2,6]	320[2]	23,000	940	35	1,500	2,300	69
02/10/06	99.99	3.52	96.47	2,700[2,6]	<510[2]	39,000	890	310	2,000	4,700	41
08/25/06	99.99	3.40	96.59	2,300[2]	330[2]	15,000	630	7.2	1,100	970	45/43[3]
01/29/07	99.99	3.21	96.78	3,100[2]	<500[2]	37,000	800	250	2,000	4,500	69/43[3]
08/03/07	99.99	3.76	96.23	2,100[2]	<480[2]	18,000	830	12	1,600	1,300	36/26[3]
02/01/08	99.99	3.00	96.99	1,900[2]	<200[2]	37,000	900	180	1,900	3,600	54

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-2175

13948 NE 20th Street

Bellevue, Washington

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-5 (cont)											
08/26/08	99.99	2.89	97.10	1,800[2]	260	7,500	910	8.7	1,400	140	37/29[3]
02/07/09	99.99	3.07	96.92	2,000[2]	<350[2]	30,000	980	280	1,900	3,100	<50[9]
08/18/09	**99.99**	**3.06**	**96.93**	**930[2]**	**<69[2]**	**6,600**	**710**	**6.4**	**1,100**	**34**	**38/26[3]**
MW-6											
03/04/04[1]	99.64	8.97	90.67	<80	<100	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/09/05	99.64	2.96	96.68	<250[2]	<250[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
06/16/05	99.64	4.22	95.42	<250[2]	<250[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/05/05	99.64	4.32	95.32	<250[2]	<250[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
10/06/05	99.64	4.19	95.45	<250[2]	<250[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/10/06	99.64	3.62	96.02	<81[2]	<100[2]	<48	<0.5	<0.5	<0.5	<1.5	<2.5
08/25/06	99.64	4.48	95.16	<80[2]	<100[2]	<48	<0.5	<0.5	<0.5	<1.5	<2.5
01/29/07	99.64	4.22	95.42	<80[2]	<100[2]	<48	<0.5	<0.5	<0.5	<1.5	<2.5
08/03/07	99.64	4.38	95.26	<78[2]	<98[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/01/08	99.64	4.33	95.31	<80[2]	<100[2]	<50	0.8	<0.5	<0.5	<1.5	<10
08/26/08	99.64	4.13	95.51	<79[2]	<99[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/07/09	99.64	4.25	95.39	47[2]	<67[2]	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/18/09	**99.64**	**4.20**	**95.44**	**<30[2]**	**<69[2]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**<2.5**
TRIP BLANK											
QA											
02/09/05	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
06/16/05	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/05/05	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
10/06/05	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/10/06	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
08/25/06	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
01/29/07	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
08/03/07	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/01/08	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-2175

13948 NE 20th Street

Bellevue, Washington

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
QA (cont)											
08/26/08	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
02/07/09	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/18/09	--	--	--	--	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**<2.5**

	TPH-DRO	TPH-HRO	TPH-GRO	B	T	E	X	MTBE
Standard Laboratory Reporting Limits:	--	--	50	0.5	0.5	0.5	1.5	2.5
MTCA Method A Cleanup Levels:	500	500	800/1,000	5	1,000	700	1,000	20
Current Method:	NWTPH-Dx + Extended		NWTPH-Gx and EPA 8021B					

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-2175

13948 NE 20th Street

Bellevue, Washington

EXPLANATIONS:

TOC = Top of Casing
(ft.) = Feet
DTW = Depth to Water
GWE = Groundwater Elevation
TPH = Total Petroleum Hydrocarbons
DRO = Diesel Range Organics
HRO = Heavy Range Organics
GRO = Gasoline Range Organics
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl Tertiary Butyl Ether
(µg/L) = Micrograms per liter
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank
MTCA = Model Toxics Control Act Cleanup Regulations [WAC 173-340-720(2)(a)(I), as amended 02/01]

* TOC elevations are expressed in feet relative to an arbitrary datum.

1 Data provided by SAIC.

2 Analyzed with silica-gel clean up.

3 MTBE by EPA Method 8260.

4 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier than #2 fuel.

5 Laboratory report indicates the analysis was performed from a previously opened vial with headspace.

6 Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes earlier in the DRO range.

7 Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes later in the DRO range.

8 Laboratory confirmed result.

9 Laboratory report indicates due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE. The presence or concentration of this compound cannot be determined due to the presence of this interferent.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, temperature, pH and electrical conductivity are measured. If purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or disposable bailers. The measurements are taken a minimum of three times during the purging. Purging continues until these parameters stabilize. Purge water is treated by filtering the water through granular activated carbon and is subsequently discharged to the ground surface at the site.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used for all samples. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-2175 Job Number: 386795
Site Address: 13948 Ne 20Th Street Event Date: 8-18-09 (inclusive)
City: Bellevue,WA Sampler: ML

Well ID MW- 1 Date Monitored: 8-1809
Well Diameter 2 in.
Total Depth 15.10 ft.
Depth to Water 3.94 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

11.16 xVF 1.7 = 1.8 x3 case volume = Estimated Purge Volume: 5.4 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.17

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	X	Disposable Bailer	X
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Discrete Bailer	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0915 Weather Conditions: SUNNY
Sample Time/Date: 0945 18-1809 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: - gpm. Sediment Description: NONE
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 4.21

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0921	2	6.74	460	23.0		
0927	4	6.69	474	22.7		
0932	5.5	6.65	473	22.7		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 1	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX/MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-2175 Job Number: 386795
Site Address: 13948 Ne 20Th Street Event Date: 8-18-09 (inclusive)
City: Bellevue,WA Sampler: ML

Well ID MW-2 Date Monitored: 8-18-09
Well Diameter 2 in.
Total Depth 19.80 ft.
Depth to Water 2.74 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

17.06 xVF .17 = 2.9 x3 case volume = Estimated Purge Volume: 8.7 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.15

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	X	Disposable Bailer	X
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Discrete Bailer	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1000 Weather Conditions: SUNNY
Sample Time/Date: 1040 8-18-09 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: ~ gpm. Sediment Description: Light
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 3.02

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1006	3	6.92	489	24.4		
1016	6	6.83	501	24.1		
1024	8.75	6.84	503	24.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX/MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-2175 Job Number: 386795
Site Address: 13948 Ne 20Th Street Event Date: 8-18-09 (inclusive)
City: Bellevue,WA Sampler: ML

Well ID MW-3 Date Monitored: 8-18-09
Well Diameter 2 in.
Total Depth 14.40 ft.
Depth to Water 5.32 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

11.08 xVF .17 = 1.8 x3 case volume = Estimated Purge Volume: 5.4 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.53

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	X	Disposable Bailer	X
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Discrete Bailer	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1140 Weather Conditions: SUNNY
Sample Time/Date: 1210 18-1809 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: None
Did well de-water? NO If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 3.41

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1146	2	6.81	304	26.0		
1153	4	6.79	311	25.7		
1156	5.5	6.79	312	25.7		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX/MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

Add/Replaced Lock: ____ Add/Replaced Plug: ____ Add/Replaced Bolt: ____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-2175 Job Number: 386795
Site Address: 13948 Ne 20Th Street Event Date: 8-18-09 (inclusive)
City: Bellevue,WA Sampler: ML

Well ID MW-4 Date Monitored: 8.18.09
Well Diameter 2 in.
Total Depth 14.31 ft.
Depth to Water 4.80 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

9.31 xVF .17 = 1.6 x3 case volume = Estimated Purge Volume: 4.8 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.70

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	X	Disposable Bailer	X
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Discrete Bailer	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1055 Weather Conditions: SUNNY
Sample Time/Date: 1125 / 8-18-09 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: - gpm. Sediment Description: Light
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 4.85

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (S))	Temperature ((F) / F)	D.O. (mg/L)	ORP (mV)
1100	2	7.02	608	23.9		
1105	4	7.06	598	23.6		
1109	5	7.11	596	23.6		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX/MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-2175 | Job Number: 386795
Site Address: 13948 Ne 20Th Street | Event Date: 8-18-09 (inclusive)
City: Bellevue,WA | Sampler: ML

Well ID: MW-5 | Date Monitored: 8-18-09
Well Diameter: 2 in.
Total Depth: 14.21 ft.
Depth to Water: 3.06 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

11.15 xVF 1.7 = 1.8 x3 case volume = Estimated Purge Volume: 5.4 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.29

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	X	Disposable Bailer	X
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Discrete Bailer	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1325 | Weather Conditions: SUNNY
Sample Time/Date: 1355 18-18-09 | Water Color: Cloudy | Odor Y / N
Approx. Flow Rate: gpm. | Sediment Description: light
Did well de-water? NO | If yes, Time: Volume: gal. | DTW @ Sampling: 3.11

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1331	2	6.62	296	22.6		
1337	4	6.60	304	22.4		
1342	5.5	6.61	307	22.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX/MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-2175 Job Number: 386795
Site Address: 13948 Ne 20Th Street Event Date: 8-18-09 (inclusive)
City: Bellevue,WA Sampler: ML

Well ID MW-6 Date Monitored: 8-18-09
Well Diameter 2 in.
Total Depth 14.06 ft.
Depth to Water 4.20 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

9.86 xVF .17 = 1.6 x3 case volume = Estimated Purge Volume: 4.8 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.17

Purge Equipment:
Disposable Bailer X
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer X
Pressure Bailer
Discrete Bailer
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1240 Weather Conditions: SUNNY
Sample Time/Date: 1310 / 8-18-09 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: light
Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 4.22

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1245	1.5	6.89	516	23.0		
1250	3	6.90	521	29.7		
1256	5	6.92	527	29.7		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX/MTBE(8021)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sgc

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

Acct. #: 11260 — For Lancaster Laboratories use only — Sample #: 5753400-406 — SCR#:

Grp#1158243

Facility #: SS#9-2175-OML G-R#386795
Site Address: 13948 NE 20th Street, BELLEVUE, WA
Chevron PM: OS — Lead Consultant: SAICPC
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 — Fax #: 925-551-7899
Sampler: Mike Lombard
Service Order #: ☐ Non SAR:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES)	Matrix: Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8021 ☒ 8260 ☐ Naphth	8260 full scan	Oxygenates	TPH G	TPH D (☐ Extended Rng. ☐ Silica Gel Cleanup)	Lead Total ☐ Diss. ☐ Method	VPH/EPH	NWTPH HCID ☐ quantification
QA	8-18-09		X			X		2	X			X	X			
MW-1	↓	0945	X			X		8	X			X	X			
MW-2		1040	X			X		8	X			X	X			
MW-3		1210	X			X		8	X			X	X			
MW-4		1125	X			X		8	X			X	X			
MW-5		1355	X			X		8	X			X	X			
MW-6	↓	1310	X			X		8	X			X	X			

Analyses Requested — **Preservation Codes**

Preservative Codes
H = HCl — T = Thiosulfate
N = HNO_3 — B = NaOH
S = H_2SO_4 — O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy s on highest hit
☐ Run ____ oxy s on all hits

Comments / Remarks

CONFIRM 8021 MTBE HITS >20ppb with EPA METHOD 8260

Turnaround Time Requested (TAT) (please circle)
STD. TAT — 72 hour — 48 hour
24 hour — 4 day — 5 day

Data Package Options (please circle if required) — **EDF/EDD**
QC Summary — Type I - Full
Type VI (Raw Data) — Disk / EDD
WIP (RWQCB) — Standard Format
Disk — _____ Other.

	Date	Time
Relinquished by:	8-18	1700
Relinquished by:		
Relinquished by:		
Relinquished by Commercial Carrier: UPS FedEx Other		
Temperature Upon Receipt 1.4-1.2 C°		

	Date	Time
Received by:		
Received by:		
Received by:		
Received by:	8/19/09	0900
Custody Seals Intact? Yes No		

Lancaster Laboratories
2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

August 31, 2009

SAMPLE GROUP

The sample group for this submittal is 1158243. Samples arrived at the laboratory on Wednesday, August 19, 2009. The PO# for this group is 0015040041 and the release number is SKANCE.

Client Description	Lancaster Labs Number
QA Water Sample	5753400
MW-1 Grab Water Sample	5753401
MW-2 Grab Water Sample	5753402
MW-3 Grab Water Sample	5753403
MW-4 Grab Water Sample	5753404
MW-5 Grab Water Sample	5753405
MW-6 Grab Water Sample	5753406

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO SAIC c/o Gettler-Ryan Attn: Cheryl Hansen

Lancaster Laboratories

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Analysis Report

Questions? Contact your Client Services Representative
Jill M Parker at (717) 656-2300

Respectfully Submitted,

Michele D Hamilton

Michele D. Hamilton
Group Leader

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5753400

QA Water Sample
Facility# 92175 Job# 386795
13948 NE 20th Street - Bellevue, WA

Collected: 08/18/2009

Submitted: 08/19/2009 09:00
Reported: 08/31/2009 at 09:23
Discard: 10/01/2009

Group No. 1158243
WA

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02159	Benzene	71-43-2	N.D.	0.5	1
02159	Ethylbenzene	100-41-4	N.D.	0.5	1
02159	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02159	Toluene	108-88-3	N.D.	0.5	1
02159	Total Xylenes	1330-20-7	N.D.	1.5	1

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09236A94A	08/24/2009 22:43	Marie D John	1
02159	BTEX, MTBE	SW-846 8021B	1	09236A94A	08/24/2009 22:43	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	09236A94A	08/24/2009 22:43	Marie D John	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5753401

Group No. 1158243
WA

MW-1 Grab Water Sample
Facility# 92175 Job# 386795
13948 NE 20th Street - Bellevue, WA

Collected: 08/18/2009 09:45 by ML

Account Number: 11260

Submitted: 08/19/2009 09:00
Reported: 08/31/2009 at 09:23
Discard: 10/01/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

20BM1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02159	Benzene	71-43-2	N.D.	0.5	1
02159	Ethylbenzene	100-41-4	N.D.	0.5	1
02159	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02159	Toluene	108-88-3	N.D.	0.5	1
02159	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09236A94A	08/25/2009 04:53	Marie D John	1
02159	BTEX, MTBE	SW-846 8021B	1	09236A94A	08/25/2009 04:53	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	09236A94A	08/25/2009 04:53	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092370020A	08/26/2009 21:56	Lisa A Reinert	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	2	092370020A	08/26/2009 10:15	Olivia I Santiago	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5753402

Group No. 1158243
WA

MW-2 Grab Water Sample
Facility# 92175 Job# 386795
13948 NE 20th Street - Bellevue, WA

Collected: 08/18/2009 10:40 by ML

Account Number: 11260

Submitted: 08/19/2009 09:00
Reported: 08/31/2009 at 09:23
Discard: 10/01/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

20BM2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02159	Benzene	71-43-2	N.D.	0.5	1
02159	Ethylbenzene	100-41-4	N.D.	0.5	1
02159	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02159	Toluene	108-88-3	N.D.	0.5	1
02159	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09236A94A	08/25/2009 05:19	Marie D John	1
02159	BTEX, MTBE	SW-846 8021B	1	09236A94A	08/25/2009 05:19	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	09236A94A	08/25/2009 05:19	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092370020A	08/26/2009 22:17	Lisa A Reinert	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	2	092370020A	08/26/2009 10:15	Olivia I Santiago	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5753405

Group No. 1158243
WA

MW-5 Grab Water Sample
Facility# 92175 Job# 386795
13948 NE 20th Street - Bellevue, WA

Collected: 08/18/2009 13:55 by ML

Account Number: 11260

Submitted: 08/19/2009 09:00
Reported: 08/31/2009 at 09:23
Discard: 10/01/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

20BM5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
02309	Methyl Tertiary Butyl Ether	1634-04-4	26	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	6,600	250	5
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02159	Benzene	71-43-2	710	2.5	5
02159	Ethylbenzene	100-41-4	1,100	2.5	5
02159	Methyl tert-Butyl Ether	1634-04-4	38	2.5	1
02159	Toluene	108-88-3	6.4	0.5	1
02159	Total Xylenes	1330-20-7	34	1.5	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	930	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02309	MTBE by GC/MS (water)	SW-846 8260B	1	D092383AA	08/27/2009 04:51	Michael A Ziegler	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D092383AA	08/27/2009 04:51	Michael A Ziegler	1
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09236A94A	08/25/2009 06:38	Marie D John	5
02159	BTEX, MTBE	SW-846 8021B	1	09236A94A	08/25/2009 06:38	Marie D John	5
02159	BTEX, MTBE	SW-846 8021B	1	09236A94A	08/25/2009 11:22	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	09236A94A	08/25/2009 06:38	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	3	09236A94A	08/25/2009 11:22	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092370020A	08/26/2009 23:42	Lisa A Reinert	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	2	092370020A	08/26/2009 10:15	Olivia I Santiago	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5753403

Group No. 1158243
WA

MW-3 Grab Water Sample
Facility# 92175 Job# 386795
13948 NE 20th Street - Bellevue, WA

Collected: 08/18/2009 12:10 by ML

Account Number: 11260

Submitted: 08/19/2009 09:00
Reported: 08/31/2009 at 09:23
Discard: 10/01/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

20BM3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02159	Benzene	71-43-2	2.0	0.5	1
02159	Ethylbenzene	100-41-4	N.D.	0.5	1
02159	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02159	Toluene	108-88-3	N.D.	0.5	1
02159	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	31	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09236A94A	08/25/2009 05:46	Marie D John	1
02159	BTEX, MTBE	SW-846 8021B	1	09236A94A	08/25/2009 05:46	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	09236A94A	08/25/2009 05:46	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092370020A	08/26/2009 22:38	Lisa A Reinert	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	2	092370020A	08/26/2009 10:15	Olivia I Santiago	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5753404

Group No. 1158243
WA

MW-4 Grab Water Sample
Facility# 92175 Job# 386795
13948 NE 20th Street - Bellevue, WA

Collected: 08/18/2009 11:25 by ML

Account Number: 11260

Submitted: 08/19/2009 09:00
Reported: 08/31/2009 at 09:23
Discard: 10/01/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

20BM4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02159	Benzene	71-43-2	N.D.	0.5	1
02159	Ethylbenzene	100-41-4	N.D.	0.5	1
02159	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02159	Toluene	108-88-3	N.D.	0.5	1
02159	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	30	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	80	68	1

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09236A94A	08/25/2009 06:12	Marie D John	1
02159	BTEX, MTBE	SW-846 8021B	1	09236A94A	08/25/2009 06:12	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	09236A94A	08/25/2009 06:12	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092370020A	08/26/2009 22:59	Lisa A Reinert	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	2	092370020A	08/26/2009 10:15	Olivia I Santiago	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5753406

Group No. 1158243
WA

MW-6 Grab Water Sample
Facility# 92175 Job# 386795
13948 NE 20th Street - Bellevue, WA

Collected: 08/18/2009 13:10 by ML

Account Number: 11260

Submitted: 08/19/2009 09:00
Reported: 08/31/2009 at 09:23
Discard: 10/01/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

20BM6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08274	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02159	Benzene	71-43-2	N.D.	0.5	1
02159	Ethylbenzene	100-41-4	N.D.	0.5	1
02159	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02159	Toluene	108-88-3	N.D.	0.5	1
02159	Total Xylenes	1330-20-7	N.D.	1.5	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08274	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09236A94A	08/25/2009 07:05	Marie D John	1
02159	BTEX, MTBE	SW-846 8021B	1	09236A94A	08/25/2009 07:05	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	09236A94A	08/25/2009 07:05	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092370020A	08/27/2009 00:03	Lisa A Reinert	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	2	092370020A	08/26/2009 10:15	Olivia I Santiago	1

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Analysis Report

Quality Control Summary

Client Name: Chevron
Reported: 08/31/09 at 09:23 AM

Group Number: 1158243

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D092383AA	Sample number(s): 5753405							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	111		78-117		
Batch number: 09236A94A	Sample number(s): 5753400-5753406							
Benzene	N.D.	0.5	ug/l	110	110	80-120	0	30
Ethylbenzene	N.D.	0.5	ug/l	110	110	80-120	0	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	110	110	82-124	0	30
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	109	109	75-135	0	30
Toluene	N.D.	0.5	ug/l	110	110	80-120	0	30
Total Xylenes	N.D.	1.5	ug/l	110	110	80-120	0	30
Batch number: 092370020A	Sample number(s): 5753401-5753406							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	69	68	61-106	2	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: D092383AA	Sample number(s): 5753405 UNSPK: P758894								
Methyl Tertiary Butyl Ether	132*	147*	72-126	7	30				
Batch number: 09236A94A	Sample number(s): 5753400-5753406 UNSPK: P752795, P752797								
Benzene	115		70-152						
Ethylbenzene	115		75-133						
Methyl tert-Butyl Ether	120		70-134						
NWTPH-Gx water C7-C12	109		48-140						
Toluene	115		78-129						
Total Xylenes	115		67-155						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: MTBE by GC/MS (water)
Batch number: D092383AA

Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Analysis Report

Quality Control Summary

Client Name: Chevron
Reported: 08/31/09 at 09:23 AM

Group Number: 1158243

Surrogate Quality Control

5753405	97	96	89	102
Blank	96	95	88	93
LCS	96	93	90	97
MS	99	95	89	97
MSD	99	95	89	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX, MTBE
Batch number: 09236A94A

	Trifluorotoluene-P	Trifluorotoluene-F
5753400	100	83
5753401	100	82
5753402	101	80
5753403	102	105
5753404	101	83
5753405	106	96
5753406	101	83
Blank	100	84
LCS	101	103
LCSD	100	102
MS	100	100
Limits:	69-129	63-135

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 092370020A

	Orthoterphenyl
5753401	98
5753402	100
5753403	96
5753404	90
5753405	116
5753406	96
Blank	75
LCS	111
LCSD	110
Limits:	50-150

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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